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WATER SUPPLY OUTLOOK FOR NEVADA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE.

and

**NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
FEB. 1, 1969

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



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FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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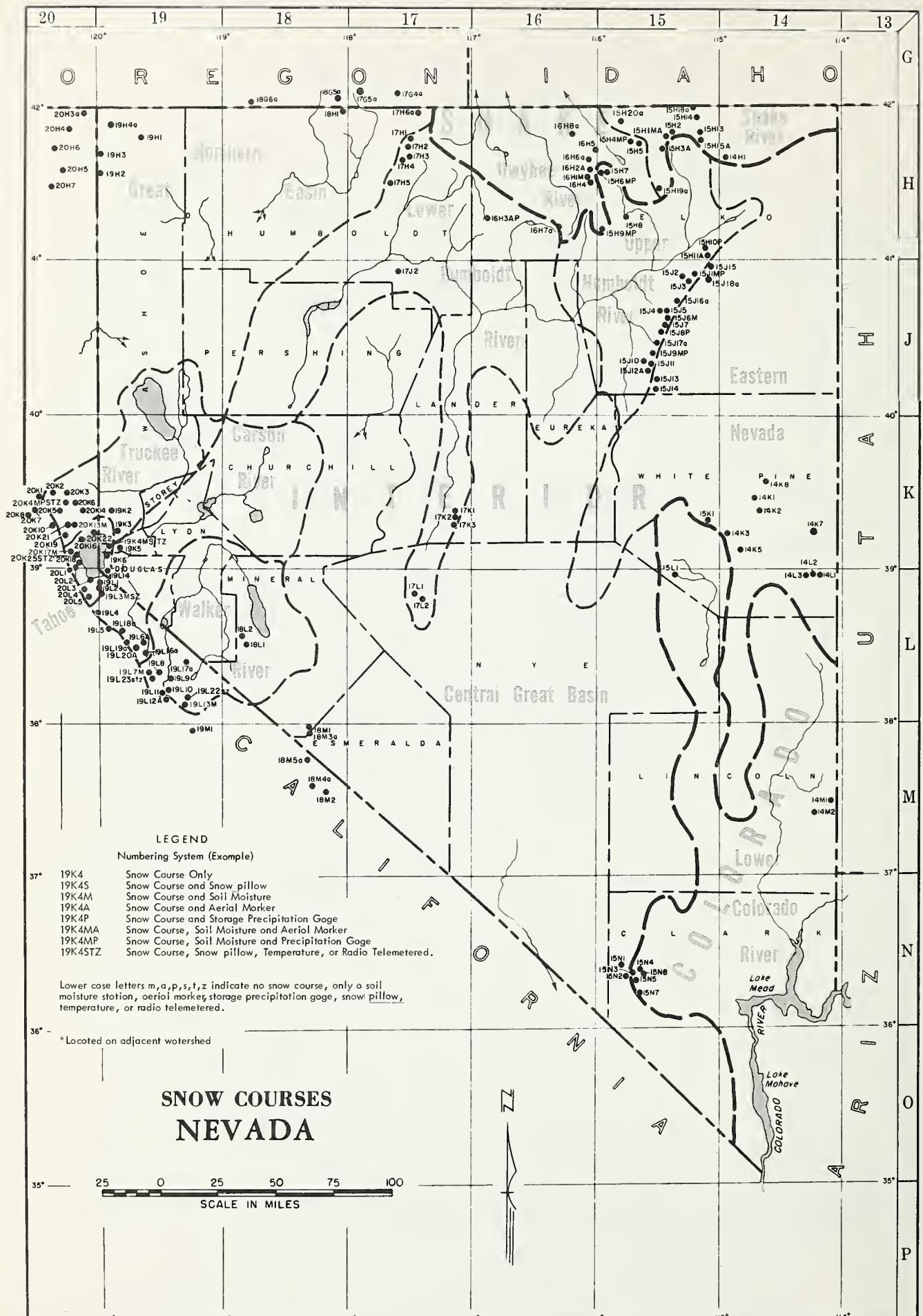
INDEX TO NEVADA SNOW COURSES

(By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN											
15H1MA	BEAR CREEK	31	46N	5BE	7800	19L14	OAGGETTS PASS	19	13N	19E	7350
15H2	FOX CREEK	33	46N	5BE	6800	20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
15H13	GOAT CREEK	31	46N	6BE	8800	19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
15H15A	HUMMINGBIRD SPRINGS	6	45N	6BE	8945	19K6	GLENBROOK #2	13	14N	18E	6900
14H1	JAKES CREEK	6	42N	62E	7000	19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000	20L4	LAKE LUCILLE (CAL.)	2B	12N	17E	8200
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330	19K4M5TZ	MARLETTE LAKE	1B	15N	19E	8000
15H18a	REO POINT	15	47N	61E	7940	20L1	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
15H3A	76 CREEK	6	44N	5BE	7100	20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
15H19a	STAG MTN.	29	41N	5BE	7800	20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
WOYHEE RIVER											
15H4MP	BIG BEND	30	45N	56E	6700	19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
16H6a	COLUMBIA BASIN	31	44N	53E	6650	20K17M	WARD CREEK (CAL.)	21	15N	16E	7000
16H8a	FAWN CREEK	2	45N	52E	7000	20K255TZ	WARD CREEK #2 (CAL.)	21	15N	16E	6750
15H5	GOLO CREEK	32	45N	56E	6600						
16H1M	JACI CREEK, LOWER	1B	42N	53E	6800						
16H2A	JACK CREEK, UPPER	9	42N	53E	7250						
16H4	JACKS PEAK	2B	42N	53E	8420						
16H5	LAUREL ORAW	20	45N	53E	6700						
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440						
15H9MP	TAYLOR CANYON	35	39N	53E	6200						
INTERIOR											
UPPER HUMBOLDT RIVER											
15J17a	AMERICAN BEAUTY	32	31N	5BE	7800	20K14	BOCA #2 (CAL.)	2B	1BN	17E	5900
16H6a	COLUMBIA BASIN	31	44N	53E	6650	20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
15J12A	CORRAL CANYON	27	2BN	57E	8500	20K21	DONNER PARK #2 (CAL.)	1B	17N	16E	6000
15J1MP	DORSEY BASIN	2B	35N	60E	8100	20K10*	DONNER SUMMIT (CAL.)	25	17N	14E	6900
15J3	ORY CREEK	5	34N	60E	6500	20K7*	FOROYCE LAKE (CAL.)	34	1BN	13E	6500
15H7	FRY CANYON	31	43N	54E	6700	20KB	FURNACE FLAT (CAL.)	10	17N	13E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000	20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
15J10	HARRISON PASS #1	9	2BN	57E	6600	20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
15J11	HARRISON PASS #2	16	2BN	57E	7400	20K5	INDEPENDENCE LAKE (CAL.)	9	1BN	15E	8450
15J4	LAMOILLE #1	15	32N	5BE	7100	19K3	LITTLE VALLEY	17	16N	19E	6300
15J5	LAMOILLE #2	14	32N	5BE	7300	19K2	MT. ROSE	7	17N	19E	9000
15J6M	LAMOILLE #3	24	32N	5BE	7700	20K6	SAGE HEN CREEK (CAL.)	7	1BN	16E	6500
15J7	LAMOILLE #4	19	32N	59E	8000	20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
15J8P	LAMOILLE #5	31	32N	59E	8700	20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
15J18a	POLE CANYON	31	35N	61E	9140	20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
15J16a	ROBINSON LAKE	23	33N	59E	9200	20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000
15J1MP	ROODEO FLAT	36	43N	53E	6800						
15J2	RYAN RANCH	1	34N	59E	5800						
15H8	TREMEWAN RANCH	9	39N	55E	5700						
15H10P	TROUT CREEK, LOWER	2B	37N	61E	6900						
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500						
LOWER HUMBOLDT RIVER											
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600	19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
17K2	BIG CREEK MINE	23	17N	43E	7600	19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
17K3	BIG CREEK, UPPER	26	17N	43E	8000	19K5	CLEAR CREEK	6	14N	19E	7300
17H2	BUCKSKIN, LOWER	25	45N	39E	6700	19L19a	EBBETS PASS (CAL.)	17	BN	20E	8700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200	19L6A	POISON FLAT (CAL.)	25	BN	21E	7900
17J2	GOLCONA #2	22	35N	39E	6000	19L16a	UPPER FISH VALLEY (CAL.)	1B	7N	22E	8050
17H4	GRANITE PEAK	22	44N	39E	7800	19L20a	WOLF CREEK (CAL.)	35	BN	20E	8000
17H5	LAMANCE CREEK	13	42N	3BE	6000	19L1Ba	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100
17L1	LOWER CORRAL	12	11N	40E	7500						
17H3	MARTIN CREEK	1B	44N	40E	6700						
16H3AP	MIDAS	1B	39N	46E	7200						
16H7	TOE JAM a	29	40N	50E	7700						
17L2	UPPER CORRAL	20	11N	41E	8500						
EASTERN NEVADA											
14L1	BAKER #1	29	13N	69E	7950	19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
14L2	BAKER #2	30	13N	69E	8950	19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
14L3	BAKER #3	25	13N	6BE	9250	19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
14K2	BERRY CREEK	23	17N	65E	9100	1BL1	LAPON MEADOW	36	BN	2BE	9000
14K1	BIRD CREEK	34	19N	65E	7500	19L17a	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
15J13	CAVE CREEK	25	27N	57E	7500	1BL2	LOBELLO LAKE (CAL.)	20	7N	24E	9200
15J14	HAGER CANYON	34	27N	57E	8000	1BL2	MT. GRANT	23	5N	2BE	9000
15J15	HOLE-IN-MTN	6	35N	61E	7900	19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
14K8	KALAMAZOO CREEK	34	20N	65E	7400	19L23sz	SONORA PASS BRIDGE	6	5N	22E	8800
14K3	MURRAY SUMMIT	26	16N	62E	7250	19K1*	TIOGA PASS (CAL.)	30	1N	25E	9800
15K1	ROBINSON SUMMIT	23	18N	61E	7600	19L13M	VIRGINIA LAKES (CAL.)	5	2N	24E	9500
14K7	SILVER CREEK #2	30	16N	69E	8000	19L9	WILLOW FLAT (CAL.)	21	5N	23E	8500
14K5	WARD MOUNTAIN #2	25	15N	62E	7875	19L22sz	VIRGINIA LAKES RIDGE	32	3N	25E	9200
15L1	WHITE RIVER #1	31	13N	59E	7400						
CENTRAL GREAT BASIN											
1BM2	CAMPITO MTN (CAL.)	19	55	35E	10200	15N5	KYLE CANYON	27	195	56E	B200
1BMSa	CHIATOVICH FLAT	32	25	34E	10500	15N4	LEE CANYON #1	10	195	56E	B400
15N2	CLARK CANYON	B	195	56E	9000	15N3	LEE CANYON #2	9	195	56E	9200
1BM1	MONTGOMERY PASS	4	1N	33E	7100	15NB	LEE CANYON #3	10	195	56E	8500
1BM3a	PINCHOT CREEK	2B	1N	33E	9300	14M1	MATHEW CANYON	10	65	70E	6000
1BM4a	PIUTE PASS (CAL.)	33	4S	33E	11700	14M2	PINE CANYON	23	65	69E	6200
15N1	TROUGH SPRINGS	23	185	55E	8500	15N7	RAINBOW CANYON #2	6	205	57E	B100
NORTHERN GREAT BASIN											
19H1	BALO MOUNTAIN	17	45N	21E	6720						
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500	19K4	SNOW COURSE ONLY				
20H6	CEOAR PASS (CAL.)	12	43N	14E	7100	19K45	SNOW COURSE AND SNOW PILLOW				
18G6a	GENIO CREEK (OREG.)	14	41S	34E	6000	19K4M	SNOW COURSE AND SOIL MOISTURE				
1BH1	OISASTER PEAK	B	47N	34E	6500	19K4A	SNOW COURSE AND AERIAL MARKER				
20H3a	OISMAL SWAMP (CAL.)	31	4BN	22E	7000	19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE				
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200	19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER				
19H3	49-MTN	7	42N	19E	6000	19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION				
19H2	HAYS CANYON	1	39N	1BE	6400	19K45TZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIOTELMETERED.				
19H4a	LITTLE BALLY MTN	B	45N	19E	6000						
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240						
17H6a	QUINN RIOGE	9	47N	41E	6300						
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900						
1BGSa	TROUT CREEK (OREG.)	10	415	38E	7800						

* LOCATED ON ADJACENT WATERSHED

LOWER CASE LETTERS M, A, P, S, L, Z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIOTELMETERED.



WATER SUPPLY OUTLOOK

FOR NEVADA

February 1, 1969

SNOW-STORED WATER IN THE MOUNTAIN WATERSHEDS OF NEVADA IS EXCELLENT. LATE JANUARY STORMS DEPOSITED HEAVY INCREASES TO THE SNOW PACK. FEBRUARY SNOW SURVEYS INDICATE THAT THE MOUNTAIN SNOW PACK VARIES FROM 225 PERCENT OF AVERAGE IN THE SIERRA NEVADA RANGE TO 145 PERCENT IN THE UPPER HUMBOLDT BASIN. APRIL-JULY STREAMFLOW FORECASTS INDICATE AN EXCELLENT WATER SUPPLY THIS SEASON.

Snow storms, beginning on January 19, have deposited extremely heavy amounts of snow on Nevada's watersheds. February 1 snow surveys indicate a snow pack ranging from 250 percent of average on the headwaters of the Carson and Truckee drainages to 125 percent on the Lamoille River drainage. Many snow courses located in the Sierra Range are currently indicating more snow water than is expected for a maximum during an average season. Similarly, the snow pack is about twice the normal for this date in the Owyhee, Snake, and Lower Humboldt basins.

Snow surveys began some sixty years ago in Nevada, and, since that time, this year's snow pack in the Sierra Range has been exceeded only two times for the February date.

Soil moisture conditions under the snow pack continue to improve. Soils in the Humboldt and Owyhee drainages are well primed and are not expected to absorb much water from snow melt this spring. Valley and lower-elevation soils are also reported to be in good condition due to the recent storms.

Nevada's seven principal reservoirs, exclusive of Lake Mead and Lake Mohave, now hold 890,000 acre-feet of stored water. This is 124 percent of average for this date. Reservoir water has increased during January, due to the above-normal streamflow experienced last month.



Streamflow forecasts for the April-July period range from 170 percent of normal on the Humboldt to 160 percent of average on the West Walker.

With the abundant snow cover in the Sierra Nevada Mountains, it is expected that all of the east-slope Sierra streams will flow much above normal this year. Streamflow in northeastern Nevada, similarly, should flow above average next summer.

The following table shows a comparison of streamflow forecasts for the coming irrigation season to the flow of past years:

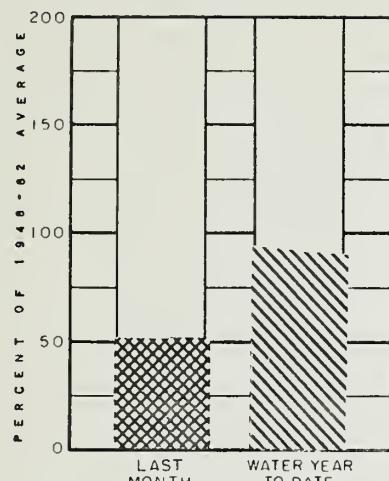
STREAM	April-July Streamflow, Thousand Acre-Feet					
	Forecast 1969	Average 1953-67	1969 as % of 15-Yr. Av.		Measured Runoff 1968 1967	
			16	162	2	11
Owyhee River near Gold Creek, Nevada *	26					
Owyhee River near Owyhee, Nevada *	107	60	178		14	72
Humboldt River at Palisade, Nevada	262	154	170		81	200
West Walker below East Fork near Coleville, California	228	143	160		96	236
Virgin River at Virgin, Utah **	86	38	223		51	51

* Corrected for storage in Wild Horse Reservoir.

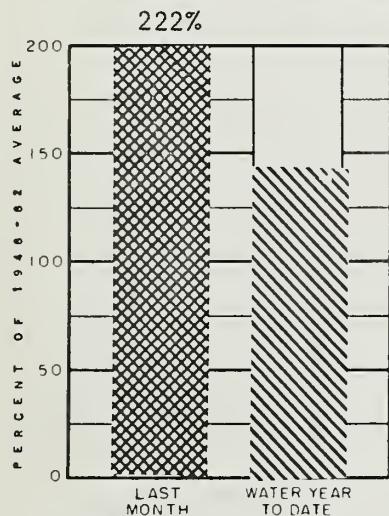
** April-June forecast furnished by SCS, Salt Lake City, Utah.

SELECTED CURRENT STREAMFLOW STATIONS

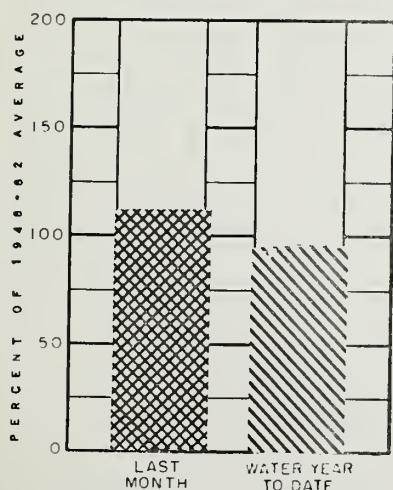
FEBRUARY 1, 1969



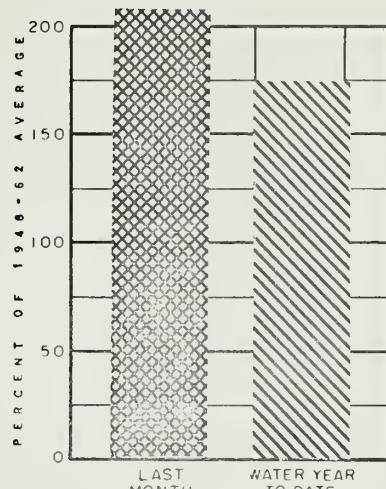
Owyhee near Owyhee, Nev.



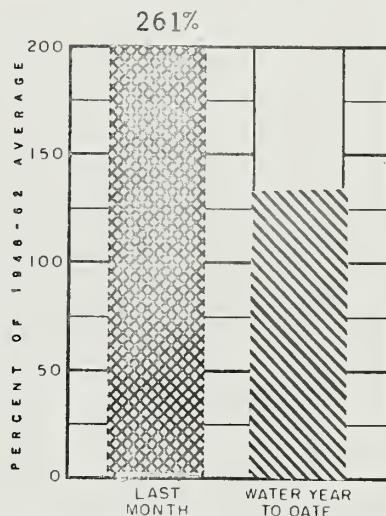
Truckee at Farad, Calif.



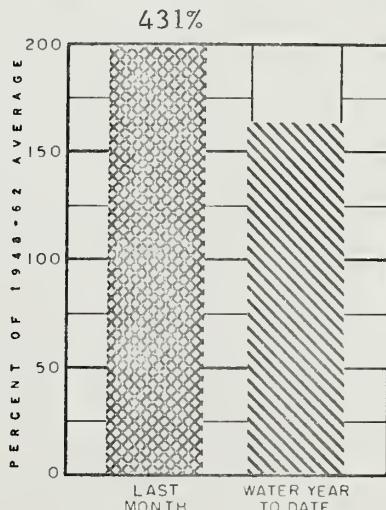
W. Walker near Coleville, Calif.



Humboldt at Palisade, Nev.



Carson near Carson City, Nev.



Virgin at Littlefield, Ariz.

STATUS OF NEVADA RESERVOIR STORAGE

February 1, 1969

BASIN and Stream	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE CAPACITY - 1000 ACRE-FEET			FEBRUARY 1 15-Yr. Ave.
			1969	1968	1967	
Owyhee	Wild Horse	*	1	4	2	13
Lower Humboldt	Rye Patch	179	27	52	70	67
Colorado	Mohave	1,810	1,694	1,691	1,639	1,675
Colorado	Mead	27,217	15,441	14,566	15,629	16,600
Tahoe	Tahoe	732	622	559	451	397
Truckee	Boca	41	2	1	2	7
Truckee	Prosser **	30	9	10	9	Storage began 1/30/63
Carson	Lahontan	286	175	226	160	173
West Walker	Topaz	59	31	56	27	32
East Walker	Bridgeport	42	23	41	24	26

* Reservoir under construction; usable capacity held to 17,000 acre-feet.

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre-Feet

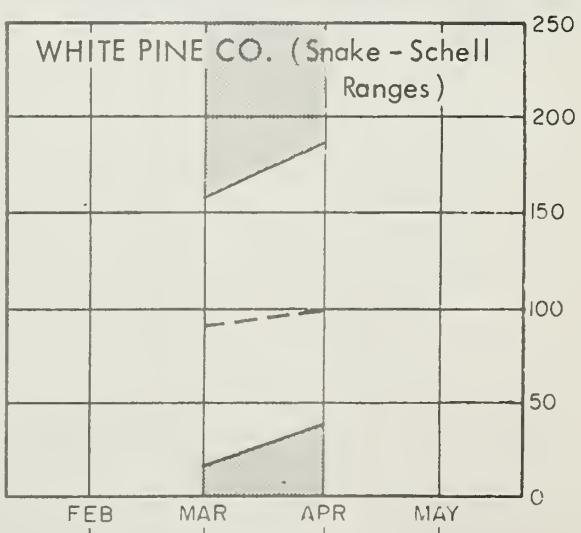
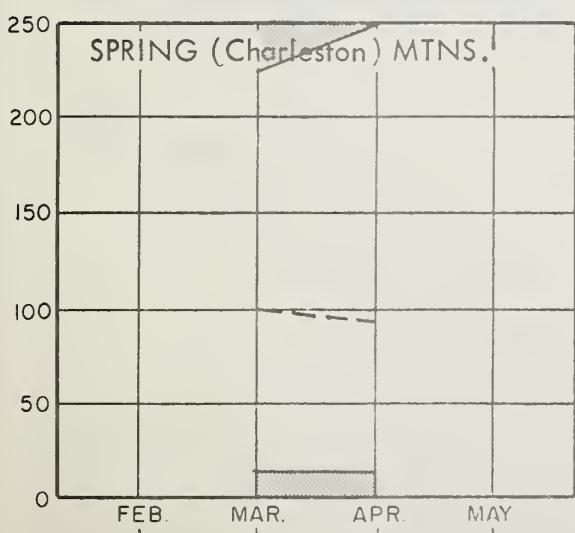
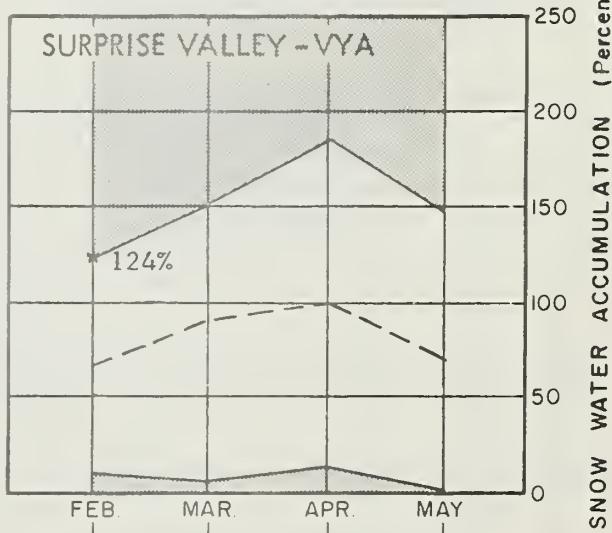
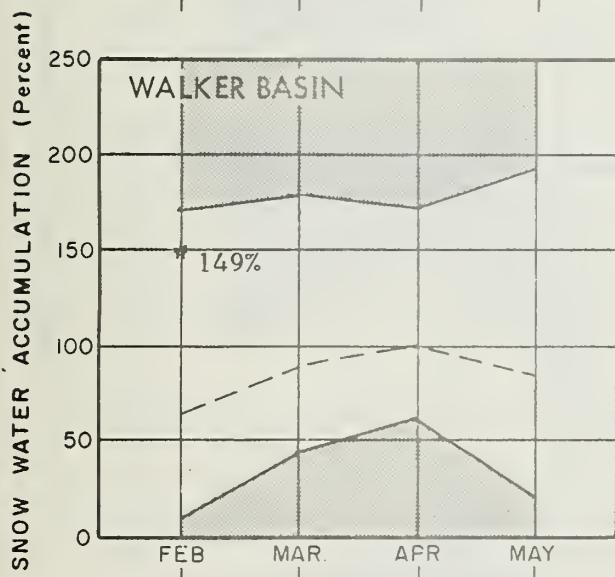
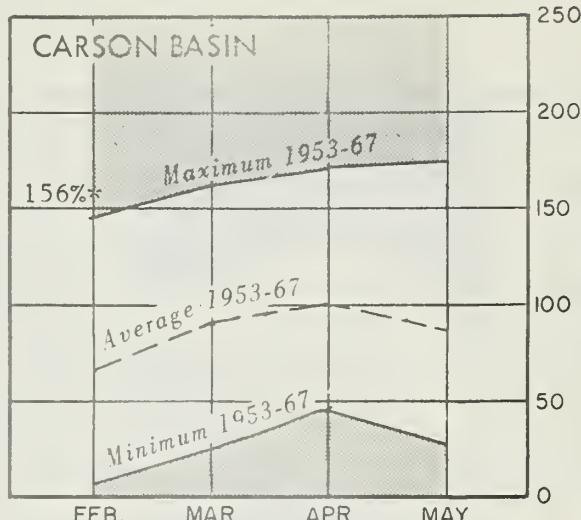
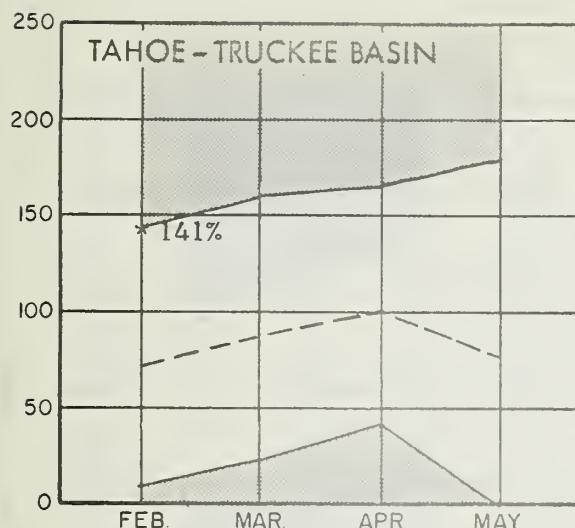
MONTH	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	AVERAGE 1953-67
October 1	702	497	1135	559	965	649	656
January 1	748	789	1114	593	904	694	660
February 1	776	922	1051	736	939	890	715
March 1	774	949	1035	792	1025		768
April 1	774	1002	1054	943	1080		839
May 1	818	1103	1089	978	1074		890

TOTAL USABLE CAPACITY 1,356

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

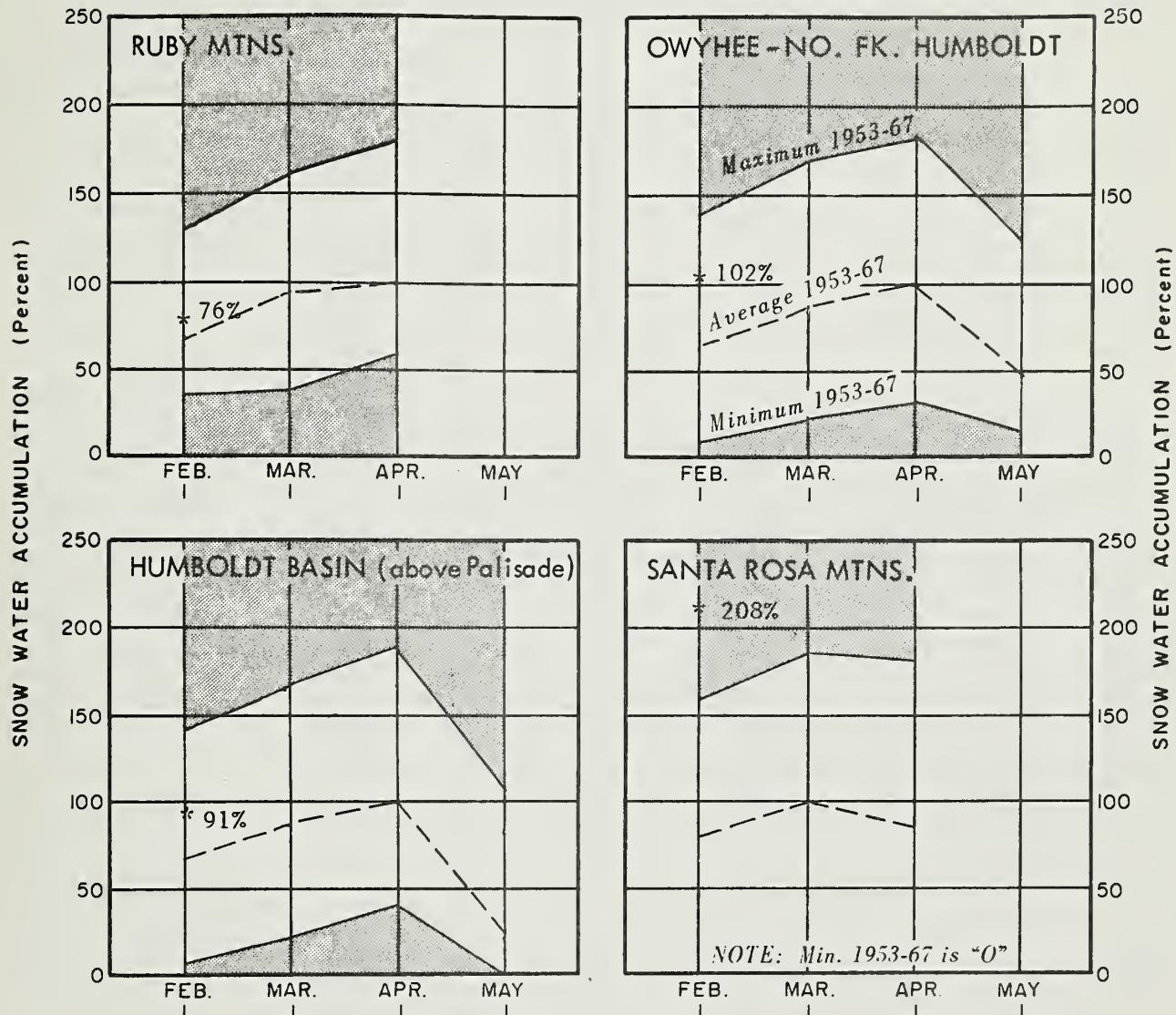
1969



SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1969



NOTE:

— 1969

----- 1953-67



NEVADA SNOW SURVEYS

February 1, 1969

Drainage Basin and Snow Course	Elev.	SNOW COURSE MEASUREMENTS					
		1969		Past Record		Water Content (Inches)	1953-67 Ave.
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	1968	1967	
<u>SNAKE RIVER</u>							
Bear Creek	7800	2/3	66	19.4a	10.0a	15.6a	11.3 *
+Big Bend	6700	1/28	33	7.9	2.2	5.3	5.3
Goat Creek	8800	2/3	39	10.3a	8.4a	11.3a	10.3 *
+Gold Creek	6600	1/28	18	4.7	T	3.6	3.6
Hummingbird Springs	8945	2/3	84	25.0a	10.0a	17.4a	11.1 *
Merritt Mountain	7000	1/31	24	7.0a	0.2a	5.3a	---
Pole Creek R. S.	8330	1/30	49	14.4	9.2	14.7	10.8 *
Red Point	7940	2/3	17	5.0a	3.9a	13.2a	6.2 *
76 Creek	7100	2/3	49	14.3a	3.1a	6.7a	6.1 *
Stag Mountain	7700		No survey		1.1a	4.1a	---
<u>OWYHEE RIVER</u>							
+Bear Creek	7800	2/3	66	19.4a	10.0a	15.6a	11.3 *
Big Bend	6700	1/28	33	7.9	2.2	5.3	5.3
Columbia Basin	6650	1/31	36	10.4a	0.9a	6.7a	---
Fawn Creek	7000	1/31	16	4.5a	0.9a	4.5a	---
+Fry Canyon	6700	1/29	31	7.9	2.1	6.0	4.7
Gold Creek	6600	1/28	18	4.7	T	3.6	3.6
+Granite Peak	7800	1/30	60	18.7	6.6	15.3	8.3 *
Jack Creek, Upper	7250	1/31	20	5.6a	1.1a	4.9a	5.1 *
Laurel Draw	6700	1/27	32	7.5	5.4	6.6	4.8 *
+Martin Creek	6700	1/30	52	16.2	5.8	12.2	5.7 *
+Rodeo Flat	6800	1/29	22	5.7	1.4	4.5	4.2
+76 Creek	7100	2/3	49	14.3a	3.1a	6.7a	6.1 *
Taylor Canyon	6200	1/28	26	6.1	3.5	6.0	3.6 *
+Toe Jam	7700	1/31	42	12.2a	8.1a	7.5a	---
+Tremewan Ranch	5700	1/28	10	2.4	T	2.4	1.2 *
<u>UPPER HUMBOLDT RIVER</u>							
American Beauty	7800	1/31	33	9.2a	3.1a	8.7a	---
+Bear Creek	7800	2/3	66	19.4a	10.0a	15.6a	11.3 *
+Big Bend	6700	1/28	33	7.9	2.2	5.3	5.3
Corral Canyon	8500	1/31	24	7.0a	3.0a	8.1a	---
Fry Canyon	6700	1/29	31	7.9	2.1	6.0	4.7
+Gold Creek	6600	1/28	18	4.7	T	3.6	3.6
+Jack Creek, Upper	7250	1/31	20	5.6a	1.1a	4.9a	5.1 *
Lamoille #1	7100	1/30	35	8.4	3.8	8.0	6.2
Lamoille #2	7200	1/30	32	7.7	3.5	7.3	5.7
Lamoille #3	7700	1/30	44	10.3	5.6	10.4	7.5
Lamoille #4	8000	1/30	46	12.5	5.5	15.8	11.1 *
Lamoille #5	8700	1/30	62	18.9	9.0	19.0	16.4 *

NEVADA SNOW SURVEYS

February 1, 1969

Drainage Basin and Snow Course	Elev.	SNOW COURSE MEASUREMENTS					
		1969		Past Record		Water Content (Inches)	1953-67 Ave.
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	1968	1967	
<u>UPPER HUMBOLDT RIVER (Continued)</u>							
Pole Canyon	9140	1/31	16	4.1a	0.9a	1.2a	---
Robinson Lake	9200	1/31	56	16.8a	2.5a	18.0a	---
Rodeo Flat	6800	1/29	22	5.7	1.4	4.5	4.2
+76 Creek	7100	2/3	49	14.3a	3.1a	8.5a	6.1 *
+Stag Mountain	7700		No survey		1.1a	4.1a	---
+Taylor Canyon	6200	1/28	26	6.1	3.5	6.0	3.6 *
+Toe Jam	7700	1/31	42	12.2a	8.1a	7.5a	---
Tremewan Ranch	5700	1/28	10	2.4	T	2.4	1.2 *
Trout Creek, Upper	8500	1/31	36	10.1a	2.5a	5.4a	---
<u>LOWER HUMBOLDT RIVER</u>							
Granite Peak	7800	1/30	60	18.7	6.6	15.3	8.3 *
Martin Creek	6700	1/30	52	16.2	5.8	12.2	5.7 *
Midas	7200	1/31	30	9.0a	0.4a	3.0a	---
Toe Jam	7700	1/31	42	12.2a	8.1a	7.5a	---
Lower Corral	7500		No survey		0.9	1.5	---
Upper Corral	8500		No survey		1.5	4.7	---
<u>QUINN RIVER</u>							
Denio Creek	6000	2/1	6	1.7	0.0	1.2a	0.6 *
Louse Canyon	6440	2/1	24	6.7a	1.2a	7.2a	2.0 *
Oregon Canyon	7240	2/1	38	10.6a	1.2a	8.4a	3.2 *
Quinn Ridge	6300	2/1	12	3.4a	1.2a	3.0a	1.6 *
Trout Creek	7800	2/1	38	10.6a	1.2a	9.6a	3.7 *
<u>LOWER COLORADO RIVER</u>							
Mathew Canyon	6000	2/4	3	0.6	3.6	2.5	2.3 *
Pine Canyon	6200	2/4	4	0.6	4.1	2.8	2.6 *
<u>TAHOE</u>							
+Brockway Summit	7100	1/31	100	30.1	13.9	18.1	10.0 *
Daggetts Pass	7350	1/30	60	18.0	5.2	12.5	7.0
Echo Summit	7500	2/4	140	51.2	17.6	33.3	22.7
Freel Bench	7300	1/29	67	19.2	6.9	11.8	7.8 *
Glenbrook #2	6900	2/1	54	16.9	7.9	11.6	6.8 *
Hagans Meadow	8000	1/29	95	25.9	8.3	16.9	12.6 *
Marlette Lake	8000	1/30	102	30.8	11.7	20.8	12.5 *
Richardsons #2	6500	2/2	69	21.0	12.0	15.8	10.9
Tahoe City	6250	2/2	57	19.4	10.1	13.8	7.7
Truckee, Upper	6400	1/29	53	14.2	6.2	9.4	7.2 *
Ward Creek	7000	1/31	167	51.0	27.0	35.0	25.3 *

NEVADA SNOW SURVEYS

February 1, 1969

Drainage Basin and Snow Course	Elev.	SNOW COURSE MEASUREMENTS					
		1969		Past Record		Water Content (Inches) 1953-67 Ave.	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	1968	1967	
<u>TRUCKEE RIVER</u>							
Boca #2	5900	1/30	36	9.0	7.4	6.9	5.2
Brockway Summit	7100	1/31	100	30.1	13.9	18.1	10.0 *
Donner Park #2	6000	1/29	74	21.2	16.4	19.1	10.8 *
+Donner Summit	6900		No survey		17.3	45.0	23.6
+Castle Creek	7400	2/4	169	63.1	29.8	52.0	50.9
+Furnace Flat	6600		No survey		19.0a	-	27.4 *
Independence Camp	7000	2/1	94	34.2	18.4	23.8	---
Sage Hen Creek	6500	2/1	71	25.0	15.9	19.6	11.8
Squaw Valley #2	7500	2/3	173	52.6	29.1	49.1	27.6 *
Tahoe City	6250	2/2	57	19.4	10.1	13.8	7.7
Truckee #2	6400	2/1	61	20.3	11.6	18.4	10.4 *
+Ward Creek	7000	1/31	167	51.0	27.0	35.0	25.3 *
<u>CARSON RIVER</u>							
Carson Pass, Upper	8600	1/29	142	44.4	12.6	34.4	20.3
Ebbetts Pass	8700	1/29	144	43.2a	20.7a	-	---
Wet Meadow Lake	8100	1/29	108	32.4a	17.4a	26.0a	---
Poison Flat	7900	1/29	60	18.0a	14.4a	18.0a	11.0 *
Upper Fish Valley	8050	1/29	66	19.8a	8.7a	15.6a	10.6 *
Wolf Creek	8000	1/29	120	36.0a	17.9a	28.8a	---
<u>WALKER RIVER</u>							
Center Mountain	9400	1/29	162	45.5a	23.4a	37.4a	---
Lobdell Lake	9200	1/29	96	26.9a	8.4a	18.0a	---
Sonora Pass	8800	1/28	120	35.4	8.1	26.6	14.2 *
Tioga Pass	9900	1/31	114	36.0	7.9	29.0	17.0 *
Virginia Lakes	9500	1/27	89	23.7	4.8	18.4	10.3 *
<u>WHITE MOUNTAINS</u>							
Campito Mountain	10200	1/30	37	9.7	2.4	11.6	3.5 *
Chiatovich Flat	10500	1/29	12	3.3a	1.2a	7.3a	---
Montgomery Pass	7100	1/31	16	3.1	0.0	2.4	1.4 *
Pinchot Creek	9300	1/29	2	0.7a	T	0.8a	1.2 *
Piute Pass	11700	1/29	6	2.0a	0.6a	9.2a	3.1 *
<u>NORTHERN GREAT BASIN (Surprise Valley)</u>							
Barber Creek	6500	1/31	48	13.8	7.4	5.8	6.9 *
Cedar Pass	7100	2/3	67	17.8	10.8	11.1	9.1
Dismal Swamp	7000	1/28	60	16.2a	5.5a	13.4a	9.1 *
49 Mountain	6000	2/1	27	7.1	3.1	5.5	3.2 *
Hays Canyon	6400	1/31	21	5.9	3.7	2.8	2.7 *
Little Bally Mtn.	6000	2/3	15	4.1a	1.5a	3.4a	1.9 *
Reservation Creek	5900	1/30	48	12.7	5.8	7.0	7.3 *

NEVADA SNOW SURVEYS

February 1, 1969

Drainage Basin and Snow Course	Elev.	SNOW COURSE MEASUREMENTS				Past Record		
		Date of Survey	1969	Snow Depth (Inches)	Water Content (Inches)	Water Content	1968	1967
			1969			1969		
<u>EASTERN NEVADA</u>								
Baker #3	9250	2/3	54	15.1a	8.3a	---	---	---
Silver Creek #2	8000	2/3	24	6.5a	4.8a	---	---	---
Ward Mountain #2	8900	2/3	33	8.6a	3.4a	---	---	---

+ Located on adjacent drainage.

a Aerial snow depth gage reading; water content estimated.

* 1954-67 adjusted average.

NEVADA SOIL MOISTURE

February 1, 1969

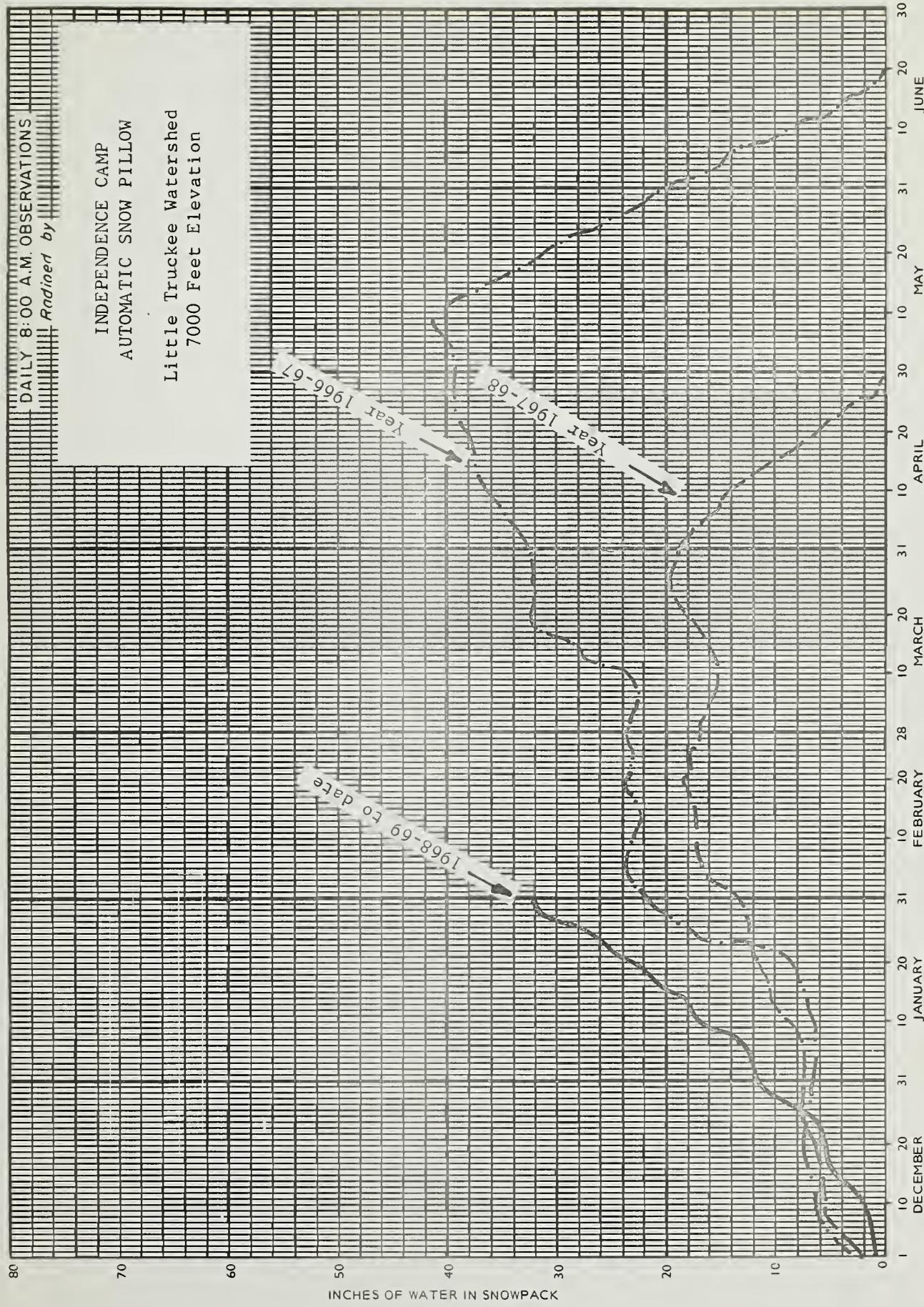
BASIN and Station	Elevation	PROFILE (Inches)			Date	SOIL MOISTURE		
		Depth	Capacity	This Year		Last Year	2 Years Ago	
<u>OWYHEE-HUMBOLDT</u>								
Big Bend	6700	48	16.7	1/28	16.2	14.9	15.7	
Rodeo Flat	6800	42	11.0	1/29	11.0	10.4	10.6	
Taylor Canyon	6200	48	15.1	1/28	13.0	14.5	12.1	
<u>TAHOE-TRUCKEE</u>								
Independence Camp	7000	34	6.1	2/1	5.2	5.1	5.4	
Marlette Lake	8000	50	3.7	1/30	3.5	2.5	3.2	
Sonora Pass	8800	48	8.3	1/28	8.3	7.7	8.3	
Ward Creek	7000	49	5.8	Est.	4.9	5.6	5.6	

U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS

INDEPENDENCE CAMP
AUTOMATIC SNOW PILLOW

Little Truckee Watershed 7000 Feet Elevation



Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Agricultural Research Service
Army
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Navy
Soil Conservation Service
U.S. District Court - Federal Water Master
Weather Bureau

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Soil Conservation Districts
Nevada Cooperative Snow Surveys
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester-Firewarden
Oregon Cooperative Snow Surveys
University of Nevada
Utah Cooperative Snow Surveys
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennebott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas & Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Squaw Valley Development Company
Truckee-Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservation District

Other organizations and individuals furnish valuable
information for the snow survey reports. Their
Cooperation is gratefully acknowledged.

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*"The Conservation of Water begins
with the Snow Survey"*